



WorldNav 4300

Hardware User Guide



4300 Hardware User Guide

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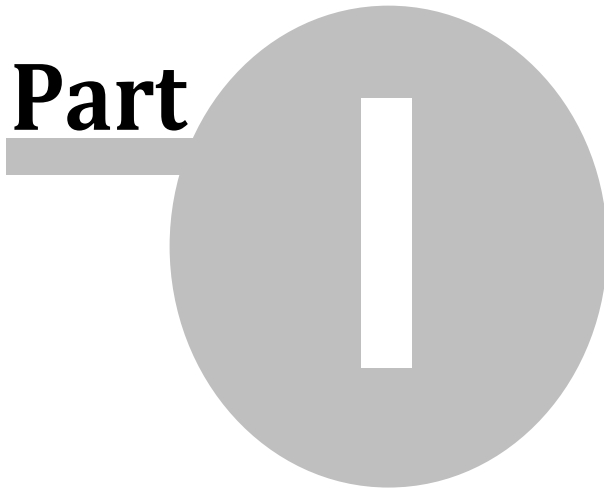
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1 Getting Started

1.1 Disclaimer

Use the WorldNav at your own risk. To reduce the risk of unsafe operation, please carefully review and understand this user manual.

It is the user's responsibility to use this product prudently. This product is intended to be used only as a navigational aid and must not be used for any purpose requiring precise measurement of direction, distance, location, or topography. Statistics provided such as trip time are best estimates and may not accurately reflect true conditions.

The Global Positioning System (GPS) is operated by the United States Government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment.

For use in vehicles, it is the sole responsibility of the operator of the TeleType GPS WorldNav to place and secure the GPS unit so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do not mount the TeleType GPS WorldNav in a place where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware supplied by TeleType Co. is not warranted against collision damage or the consequences thereof.

It is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, to maintain full surveillance of all driving conditions at all times, and not become distracted by the GPS system to the exclusion of safe driving practices. It is unsafe to operate the controls of the GPS system while you are driving. Failure by the driver of a vehicle equipped with a TeleType GPS system to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident or collision with property damage and personal injury.

IN NO EVENT SHALL TELETYPE CO BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

1.2 Accessories

Before using the GPS, make sure you have all of the accessories listed below. If any of the accessories are damaged or missing, contact TeleType.

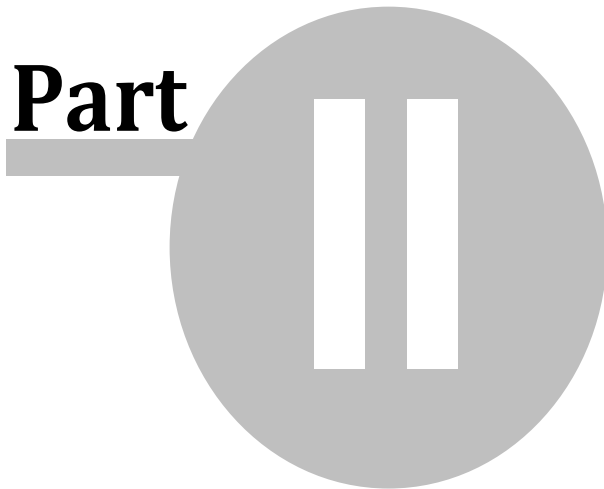
1. DC (Cigarette Lighter) Charger
2. Window Mount and Bracket

1.3 Specifications

CPU	SiRF Atlas V ARM 11 533MHz
NAND Flash	4 GB
DDR	128 MB
LCD	4.3 inch LCD screen, resolution: 480 x272 pixels
Touch Screen	High precision touch screen
USB	USB Client 2.0,MINI USB interface
Micro SD	Micro SD slot, supports Micro SD card (maximum 16 GB)
Antenna	Internal antenna
Precision	Position < 10 meters / 32 ft
Audio frequency	1. 2Watt Built-in Speaker 2. Hi-Fi stereo sound 3. 20mW@32ohm audio output
TMC	Use with external TMC antenna
GPS	Cold boot:<48 seconds Hot boot:<9 seconds (with unobstructed view of the sky) Warm boot:<38 seconds

Battery	Built-in high capacity Lithium back up battery (950 mAh)
FM Transmitter	Broadcasts GPS through vehicle speakers
Battery charging	DC 5V (use together with USB-in)
Car Charger	Converts 12V to 5V/1.5A
LED status	Red light: Charging; Green light: Fully Charged
Temperature	Working temperature: 0 °C - 60 °C (32°F - 140°F) Storing temperature: -20 °C - 80 °C (-4°F - 176°F)
Net Weight	143 grams / 5 oz
Dimensions	111.5 x 72 x 12 mm 4.4" x 2.8" x .47"
System Platform	Microsoft Windows CE 6.0
Navigation software location	Internal flash memory or Micro SD card

Part



2 Basic Operation

Turning on and off

Turn on or off your GPS by pressing the power button on the top of the device.

Hardware Reset

Occasionally, you may need to perform a hardware reset when your GPS stops responding or appears to be "frozen" or "locked up." You can perform a reset by pressing the RESET button on the back of the device.

Power Supply

In addition to the built-in lithium battery, you may power the device using the cigarette lighter charger (DC).

Micro SD Card

This device supports micro SD cards. Be sure the card is securely inserted before use.

Touch Screen/ Stylus Pen

Your device comes equipped with an LCD touch screen, allowing you to move the screen using your

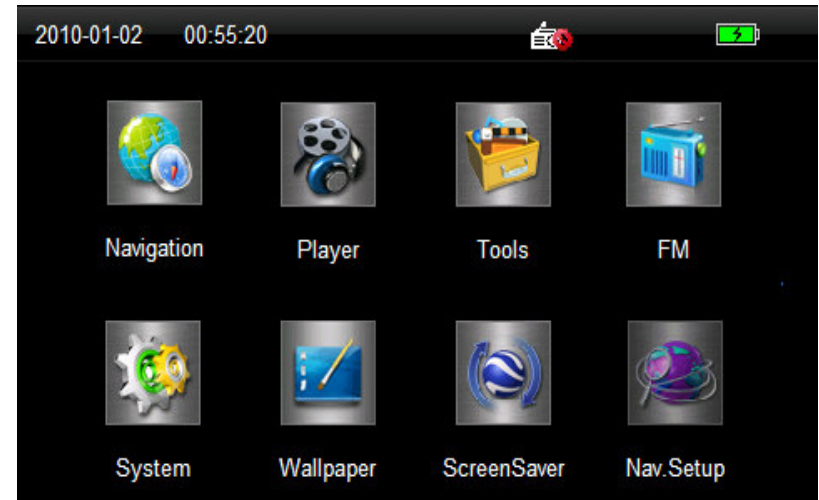
finger or a stylus pen (included). Simply press the desired icon or location on the map to move the screen.

Window Mount

Attach your device to the included window mount and position in a location where it has an unobstructed view of the sky so it receives a strong satellite signal. You may choose to provide some additional cushioning, such as foam on your dashboard, to help absorb shock.

3 Main Menu

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Main Menu Page

- **Navigation** - Provides navigation function
- **Media Player** - Allows you to access media files such as videos, music and eBooks
- **Tools** - Offers a variety of useful tools such as a calculator, notepad and calendar
- **FM Radio** - Allows you to hear your GPS instructions over your vehicle's speakers
- **System** - Allows you to set your device's system functions such as volume, power and language


3.1 Navigation

Please carefully read the WorldNav Software Guide (separate booklet) for navigation instructions.



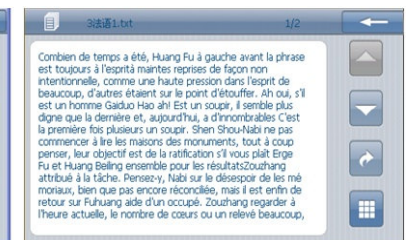
WorldNav Software

3.2 Media Player

1. Click the  icon to access your media player menu. Here you can select <Music>, <Video>, <Ebook>, <Photo>, or <Flash>.
2. Select the type of media (music, video, etc) you want to play. For this example, choose Ebook. Browse to your memory card folder. Select the desired file from your selections.
3. You can now view the selected file. You can scroll from page to page (or song/video/photo) by using the arrows on the right side.



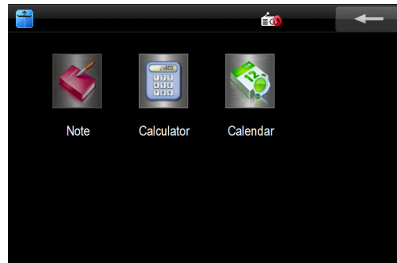
Ebook Selection Screen



Ebook Reader

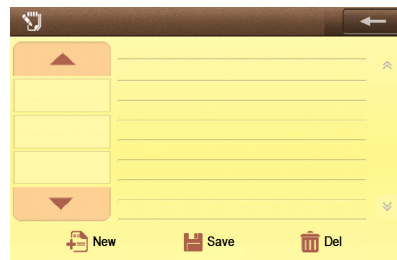
3.3 Tools

By clicking on the **<Tools>** icon, you will have access to features such as a notepad, calculator and calendar.



Tools Menu

1. Click on the **<Note>** icon to access your Notepad. Here you can manually type in notes. This is useful as a driver log, address book, or reminder list.



Notepad Screen

2. Click on the **<Calculator>** icon to access the calculator. Here you can switch between a standard calculator and a scientific calculator.



Calculator Screen

3. Click on the **<Calendar>** icon to access your calendar.



Calendar Screen

3.4 FM Radio

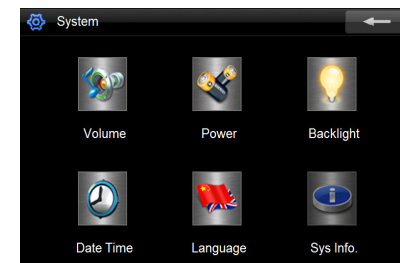
The **<FM>** button enables you to link your GPS to an unused radio frequency channel, thereby allowing you to hear your route instructions over the radio speakers. Select a frequency from the FM Page and then set your radio dial to that frequency. Be sure to click the **<FM Switch>** "on" and note that the GPS will be silent; all sound will broadcast through the radio.



FM Frequency Selection Screen

3.5 System

The **<System>** icon allows you to set several different system functions. Here you can adjust the backlight strength, change the language, set the time and much more.



System Menu

Volume: Adjust the speaker volume* and enable/disable "screen clicks".

Note: For maximum range of sound adjustment, keep the System volume setting at 100% and use the software to adjust the volume. (If you lower the sound in the software, the System will have less control of the volume.)

Power: Displays battery power remaining and allows you to set the time for automatic power-off.

Backlight: Adjust screen brightness and set automatic screen power to "Off".

Date/Time: This function is used to adjust the internal calendar. Refer to the WorldNav Software Guide for instructions on how to set the time for navigation.

Language: Set the default language. Please note that the WorldNav software will override these settings for navigation. Refer to the WorldNav software user guide for details.

System Info: Displays a detailed summary of system information:

1. **Calibration** - click this icon to adjust the screen calibration. Move the [+] by pressing directly in the center of the icon. Repeat this process as it moves to the left, right, upper and lower parts of the screen. Click <OK> when complete.
2. **GPS Reset** - resets the satellite receiver.
3. **Factory Reset** - Automatically returns to default settings. **WARNING: Will erase all data!**

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IV

4 Troubleshooting

Problem	Reason	Solution
GPS will not power on	Lack of Power	Plug the device to AC or DC power
	Power is Off	Slide the Power switch on the right side to the ON position
Screen is too dark	The backlight is not bright enough	Adjust the backlight to a brighter setting
	The backlight has been turned off	Touch the screen and the screen will turn on
Touch screen function is abnormal	Touch screen calibration is off	Use System tools to recalibrate the screen
No Sound	The volume level is at its lowest setting	Increase the volume using the WorldNav software; turn volume up using volume knob
	Poor connection between earphones and device	Check the connection to the earphones
	FM Transmitter is enabled	Disable your FM Transmitter

Cannot communicate with computer	The USB cable is not connected well	Check the USB cable; check ActiveSync settings; check for USB conflicts with other devices
No GPS signal	Poor reception area such as inside a building, an urban area or mountainous region; interference from another device in the vehicle	Mount the GPS on the windshield with a clear view of the sky; try obtaining a signal outside your vehicle; note that some electronics and windshield treatments interfere with GPS signal strength
Unable to use navigation function	Contact TeleType GPS Support Staff	